

Abstract

In a car body or component of a car body with at least one first component of sheet metal of a first aluminium alloy (A) and at least one second component of sheet metal of a second aluminium alloy (B), the first and second aluminium alloy are of type AlMgSi and in the sheet metal of the second aluminium alloy (B) a substantial part of the elements Mg and Si, which are required to achieve artificial ageing in solid solution, is present in the form of separate Mg_2Si and/or Si particles in order to avoid artificial ageing. As well as common recycling of process scrap in the production of the various components and simple scrap recycling of the body parts from the end of life car, by reduction of the hardening capacity of the second component during artificial ageing of the body as part of the paint baking cycle, the car body has an improved impact protection for pedestrians in comparison with solutions according to the prior art.

(Fig. 1)